CA - PMM

Project Name: Web Content Management System (WCMS)

OCIO Project #:
Department: Department of Transportation (Caltrans)
Revision Date: 10/12/10

Concept Statement

Description

Brief description of the proposed project:

The Web Content Management System (WCMS) is a pilot for Web content management system using the Caltrans Internet Website.

Need Statement

High Level Capabilities Needed:

The high-level requirements include enabling the standardization and conformity to federal and state requirements, being extensible, and providing administrative controls.

What is Driving This Need?

Reduce the IT staff time for maintaining and performing Web related activities.

Risk to the Organization if This Work is Not Done:

Continued inefficiencies.

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Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

Intangible benefits include reduction in development and maintenance time.

Other Intangible Benefits:

TBD.

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

TBD.

Cost Savings (describe how cost will be reduced):

TBD.

CA - PMM

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Cost Avoidance (describe the cost and how avoided):

TBD.

Risk Avoidance (describe the risk and how avoided):

TBD.

Improved Services:

TBD.

Consistency

"No" Responses	➡	Rationale	Action Required
Enterprise Architecture	Yes		
Business Plan	Yes		
Strategic Plan	Yes		

Impact to Other Entities

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Nature of Impact to Other Entities

Entity:
Describe the nature of the impact:
None.

Entity:
Describe the nature of the impact:
None.

Entity:
Describe the nature of the impact:
None.

Entity:
Describe the nature of the impact:
None.

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Solution Alternatives

Alternative 1:
Caltrans will solicit vendors to propose software and services to address the content management needs of Caltrans' Internet Website. In submitting their proposals, vendors will comply with the instructions provided and the services required in the solicitation document, and meet the objectives and functional requirements detailed in the Feasibility Study Report.

Technical Considerations for Alternative 1:
The design of the Website should be compliant with section 508 of the Rehabilitation Act of 1973 as amended (29 U.S.C. 794d). Additionally, the visual layout of the Website must align with the current Caltrans page design and brand standards, using a variation of the DTS Internet page design and style sheets. Caltrans relies extensively on the use of open source software in its existing Web infrastructure, using Apache Web server, Tomcat application server, MySQL databases and PHP, Perl, Python, and Java programming languages.

ROM Cost:	$50,001	to	$500,000	**Note: high end of range must not exceed 200% of low end of range**

Alternative 2:
The first alternative considered was to build the Web content management system in-house with the available resources and technology. The disadvantage is the lack of industry expertise and staff availability.

Technical Considerations for Alternative 2:
The design of the Website should be compliant with section 508 of the Rehabilitation Act of 1973 as amended (29 U.S.C. 794d). Additionally, the visual layout of the Website must align with the current Caltrans page design and brand standards, using a variation of the DTS Internet page design and style sheets. Caltrans relies extensively on the use of open source software in its existing Web infrastructure, using Apache Web server, Tomcat application server, MySQL databases and PHP, Perl, Python, and Java programming languages.

ROM Cost:		to		**Note: high end of range must not exceed 200% of low end of range**

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Alternative 3:
Interwoven is a customizable COTS Content Management System software that would have commercial support over the years. The disadvantage is the cost, limited ability to develop customized add-ons, and software proprietary laws.

Technical Considerations for Alternative 3:
Enterprise COTS application.

ROM Cost:	to	**Note: high end of range must not exceed 200% of low end of range**

Recommendation

Comparison:

Alternative 1	ROM Cost		Risk
Vendor Proposal	$50,001	- $500,000	Solution based on consultant recommendation.
Alternative 2	**ROM Cost**		**Risk**
In-house Development	$0	- $0	Staff availability and lack of industry expertise.
Alternative 3	**ROM Cost**		**Risk**
Interwoven	$0	- $0	

Conclusions:

1	Solution must leverage open source technology resources for solution extension.
2	Caltrans seeking to leverage industry knowledge and best practices.
3	Solution must adhere to all Caltrans, state and federal requirements.
4	

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Recommendation:

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Concept Approach *(if known)*

System Complexity:			System Business Hours: *(e.g., 24x7, 9am-5pm)* :	
Architecture	☐ Mainframe	☐ Client Server	☑ Web Based	Num. of New Databases:
Technology	☑ New	☑ New to Staff	☐ In-House Experience	Interfaces: Internal
Implementation	☑ Central Site	☐ Phased Roll-out		Num. of Sites: 1
M & O Support	☑ Contractor	☐ Data Center	☐ Project ☑ Returned to Sponsor	

Procurement Approach: *(consult with OSI Procurement Center)*	Number of Procurements:

Open Procurement?	Delegated Procurement?

Scope of Contract	☐ Development ☐ Implementation ☐ M & O ☐ Other:
Anticipated Length of Contract:	Years / extensions for years